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<110> ChondroGene
Liew, Choong-Chin

<120> Method for the Detection of Gene Transcripts in Blood and Uses
Thereof

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<150> US
<151> 2000-01-04

<150> US 60/115,125
<151> 1999-01-06

<160> 112

<170> PatentIn version 3.2

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tagccnggca tgggggntgg gncccttgta ntctnagctn cttgggaggc tnngccagga 420

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aacgttgtga taaatcttac gtcgtcttat atattaagtt tttgtggagg atcggataag	240
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<223> n is a, c, g, or t

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gggtttccc9 gggaacccaa ccctttaagg ggtngggggg aatttcccc caaaaaaagg 120
gaaaaanttt tccggggggc ccacccggga agggntnccg gggaagg 168

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<210> 15
 <211> 438
 <212> DNA
 <213> Human

<400> 15
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 cccacatttc catttttaat atatactgtg ctttaciaaat attataatat gttttaaaat 180
 atgttcacag aagcacctgg tctgtgaatg gcatgccagc attaaaaaaaa ataagcattc 240
 tttgaatata tatttagttt tttaatgtgg taggaaaatc aaagccagag ggagtagaaa 300
 caaaatttgt gattttctaa atacttcttg gctgcaggga agaaaccacg tcccaggcga 360
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aaagggggaa ggcccccaa accggggggg gggnaaaaag gtgggtttcc ccctttttcc 180
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 caaattgggg ggnaaaccaa atttaagggg ggaagggggg gncccccccg ggaaaggccc 180
 aaggggggaa aattttttccg ggggtgggtn gggggaacca atttaagggg ggggcccccg 240
 ggggggttcc ccttgggcn tttttccttt tgggtnaaaa aaaaaaaccc cttg 294

<210> 18
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 <213> Human

<400> 18
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 ctgtacttga actctaaaac tgttggagaa actcagtgtc taccccaaca gattcatttc 180
 aaatagctgt aaaaggtagt tttactccag aagaccagag ttgcttcttt tgaacttctc 240
 attccttggg cctaggaacc ctcatcacc tcattccaac gtcaaccag atcttctctt 300
 ccataaacag cactccctca ggcccctgcc tgacacaggc atagactgtc atgttggatt 360
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cggcccgggc ccgggnagcc cttcccgggc ttttcccccg ggggggnccc gggggggacc	120
tttaggcggc accccaacaa caccaggccc tactttttcc aaggncgggg aagcccatgg	180
gttctgggna acgggcaatg cgggcttgca acggngggaa naaaaacagn cccaaaagaa	240

tg

242

<210> 20
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 <212> DNA
 <213> Human

<400> 20
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 tctcagctca ctgcaacctc cacctctcag gagaattgct gaacctggga ggcggagggt 120
 gcagggagct gagattgcgc cactgccctc catcctgggc gacagagcaa gaacctgtct 180
 c 181

<210> 21
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 ataatggaag atagctntga ggatnaacnc tggtnnaggg 100

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tttgnggctg cngcccctgt gcctggtgcc acaacaaatg 100

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cggaaggcc nttggggaaa aaaccaangg ncaaaccccc ccaaccacnc ggcccccccc 120
aaggggggtg gggaagagcc aaatttcttt gggaaanaac gccccttg ggaaaanaag 180
gccaaccacc tttcaacanc cccaangcg nggaagccat ttcttg 227

<210> 25
<211> 306
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<400> 25
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ggaagaattg tatgtgggag tttttaatgg tctcatttca ttggctataa ctcagttaca 180
aggagaaata taactgcaga ggagctttga aaatttagtt cagctgaggg taaaggaaga 240
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agaatg 306

<210> 26

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agatcgccta gccctttgcg ggcgaccacc acgatgtccc agcctgtcag gttgtcctga	120
ttgaggcgaa aggactcgcg gatttgacgc ttgatgcggt tgcgctcgac ggcgagcttg	180
acgctctttt tgccgatcac caaacctagg cggggatgat caagctgggt atcgcgcgct	240
agcagcagga cacttttgcc cgggagcttt accgcttggg gagtcgaaga ctgccttgna	300
ttgccgggga gtcagcagtc gctttttccc ggncgaagcc tcgaactcac cancctgtct	360
ggattaatta gacagcaaga cgcttgcggc ccctttggcg cgaacgaacn ncgaaaagga	420
cttgcgcggc ccgtttcttt ggggggccaa taccggggcn cggggaaaac ccnggggng	480
gccaaacccc cc	492

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gagaaccccg cacaccgaaa ggctaaggat tcctccgcta tgtcaatcaa cggagggtta 180
gtcgggtact aaggcgtag cgaaggcgaa gcgccgatgt gaaggggggtt aatattcctc 240
cacttgccat gcgtgtgaat ccatgacgga gacgaagccg ggggtgcgtc ctgacggaag 300
tgggcgccag caggggcggc cttcgggcca aaccgaacct cagggtcanac ttccaagaaa 360
agtgggtgaa acgccagcgc atggcaacct gtaccgcaaa ccgacacagg tagccggggg 420
anaacatcct aaggngctcg agagtacttt ctagagcggc cgcgggcccc atcgantttt 480
ccaccgggn ggggtaccag 500

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gctggaaggc ttgnagggca gaaaagggat ccgccttttg gaggaacca ggtaagggtt	120
aagaaggaac ccaccctngg ggccaaacaa aaacttaaaa acccccccat ttcntncccc	180
ccaaaaaaaa aatttttaaa aaaaattttt ngcccccgga ggcattgggg g	231

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<400> 31

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 agnnttncag ccngnnnnan tgccattttt gctctnnnga gaaa 104

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cacgcacggc agcgagtgc atgnccgatt cattcttnaa cgacgcacac acccngnngc 120
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 ngncacgagt tnggctgcnt ctttatacaa cttttcttca 100

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 tgtcctgaag gacaagccgn ttcgtttgaa nctgtgaaat ac 102

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<400> 41
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 ggtgctcctg cgtttggaact gtgcaggcct ctctatgct gatgcgtctc cccactcctg 180
 agctaatttc tgctctgctc cttctgtgac atgtggcagc gtgggaaata gccactgtcc 240
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 ggnaggaccc tgntgactcg gggggcgga gcngggancc agg 103

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 <211> 221
 <212> DNA
 <213> Human

<400> 43
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 tttaaaaatt tatgccatat gtccagcttc cagtcagtgc ttctgggttag catgaggata 120
 actagatttt actgtagatg gtagataaaa gtccagtga aagcaaagat gtgtaatgtt 180
 ttggtagcct cagtgccttt atcccaagta aaagcaaagt t 221

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 nncattnngc aagcgnacnn gcgcngccna gcngaccagg 100

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 anggtnttan nagnttatatg tatntnncaa accaantann a 101

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cantnnnctg gggncaccacn nnnngngaact gagagtggat cttgtgtacc tgacnnacca 240

gntntnnagn agggcgctca ctctgattgg tgcaccatgg ttacacagtg tgtgcaaaga 300

ccngnctatc tctactganga tgattgncag ngccnntggg tggcacnang ggnactgatg 360

ancancactg accctgccga cgccagangc cgcanatccg gagantncat gngacnatat 420

aggttaccnc cttcnaccgg gcancaatct gcttctatgg tgaatgcaga ccatntagaa 480

ntctntcnct ataggcatga ttttnnncag tgcgtcagcc ttganaanga ancnnacttt 540

tgntagatga nnnngntgctc ncccttgngg ctnacaaatt ccancacnt tgggtggcngc 600

agccttaag ancacttntt ttgggttgcg ctnttgatg aattacnaat agnntgtttt 660

gttncaaggc ccttctgcna aatatgaana aaagngcnct tagctttttg ngggaactgn 720

actggaaatt ttg 733

<210> 53

<211> 100

<212> DNA

<213> Human

<220>
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 <223> n is a, c, g, or t

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 <223> n is a, c, g, or t

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 <223> n is a, c, g, or t

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 <223> n is a, c, g, or t

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 <223> n is a, c, g, or t

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 <222> (74)..(74)
 <223> n is a, c, g, or t

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 <222> (80)..(80)
 <223> n is a, c, g, or t

<400> 53
 gatcagacaa gancntggtc cacagcggga cgagagntct cnanntctgcn ggggagnnnc 60
 caagtacgcn agcnctgaan ctaaagcaag caagaaaaag 100

<210> 54
 <211> 515
 <212> DNA
 <213> Human

SEQUEN~1.TXT

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tagatatggg aagattatag gaggcgacaa ctaccgagcc tggtgatagc tgggtgtccaa      180
gaagagtctt agttcattta tttggcccag aaccctctaa tccccttgta atttatgtca      240
agaggaacag ctctttggac actggaaaac cgtgagagag taagatttac acccttaggg      300
gcctaatagc agccaccatt aagaaagcgt tcgctccaca cccactacct aaaaatcgaa      360
tataactgac tcctcacacc caattggcca atcattcccc tataaaagaa ctatgttagt      420
ataagtaacc tgaaaacatt ctctctgca taagccctgc gttggattat atcctgcact      480
gacaattaac tgccccaata tctacaatcc aaccc                                     515

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<210> 55
<211> 176
<212> DNA
<213> Human

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<220>
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<222> (5)..(5)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (32)..(32)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (40)..(40)
<223> n is a, c, g, or t

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<220>
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<222> (60)..(60)
<223> n is a, c, g, or t

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<220>
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<222> (62)..(62)
<223> n is a, c, g, or t

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<220>
<221> misc_feature
<222> (76)..(76)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<220>

SEQUEN~1.TXT

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<222> (155)..(155)
<223> n is a, c, g, or t

<400> 55
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cntatctcaa ctaatnataa atgggaaaat gggcaactgg gcaggcngaa cccagagggg 120
agcctgacct cattagacca agacagcaag gtttncctg gtcactagat gaaatt 176

<210> 56
<211> 317
<212> DNA
<213> Human

<220>
<221> misc_feature
<222> (4)..(4)
<223> n is a, c, g, or t

<400> 56
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atgtgggatg tgacctccta ggactcacct tgcacagctg ggtgcagcag ggataggtaa 120
ggatttgggg tttagaggta caattgcctt tttatgggta gagaaaggct ctggggctgg 180
agggagcctg acgatctgct ctgtgtgcaa ggggagagtt aactctgcac gcaagagcct 240
gcttaaaggg ctgtgtcagt tctattgtaa acaccaactt aaagtgggtg atgctggcag 300
acattgttat tgccatt 317

<210> 57
<211> 209
<212> DNA
<213> Human

<400> 57
ctcatacacc tgtggctact gttttctaca gagtgccaaa actattcgag agaataggct 60
ctggactgga cactgtatac ccacatgcaa gatgaagttg gcccttaca tcctatacgc 120
aggagaattg cgtcatttaa agcctgttga cgcttttctc ccgcagacga atggaaagat 180
taattgggag tgggggctga aacaattcg 209

<210> 58
<211> 262
<212> DNA
<213> Human

<400> 58
aattttgctg ttacatggtg gctcaactga gtcccatatc ttgaaggccg ggagttaatc 60
acctggtcac cgagttgcca accagcctcc aatatgtgga accctgtact ctctaaaaat 120
caaatacccg gcatggagat tgcgcctgtg gtcccaaaat actcgggctg ggacacgatg 180

SEQUEN~1.TXT

agttgcttgg cccaaggaag gaggggttgta tggctgatca cactggtccg cctgggtgac 240
agagcgagac tccatctcta at 262

<210> 59
<211> 430
<212> DNA
<213> Human

<400> 59
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aaacctttat tgtcttacag gggggaacta gcgcggggct gaataaaacc ttggccctt 120
cccgggggag ggggtatccg tttataaacc ccaagggtat tttcttagca aaataacttaa 180
aaccggcccg ggtttttata caaactggga acccactttt gaaaaatttt ggccttttga 240
tctgggatgg gaatatgagt tttatacat ttcattttct ttttgggcaa aggcccggtt 300
aagtattccc ccccgggggg cttttacaaa aagggcgggtt taaaagctt ttgggcccc 360
ctaggaatt gttttaacac ctaaaaaccc ctgcttcct taaagggcg ttctttaatt 420
tgggggcggc 430

<210> 60
<211> 350
<212> DNA
<213> Human

<400> 60
aaacctctct aactatatat cacaataacc tgcgcataag atttacgctc cgatcttttc 60
atcctactag cttggaggat ttgaaccgat tatgaatacg caatactccc ggtcctcatg 120
tatcatgtgt aagcccatct cctgggaggg ctaacatact accatctcca aggagaggca 180
tgattccgaa tcaccacag acagctcgat caccatacgt atcacccaac atatatacct 240
tctaagactt gctagaaaca accaccacat ttgatgctta atcaccactc tgacgcgcat 300
taaagtgagg ggactctcct aatttctgta agttgatttt tgcattctga 350

<210> 61
<211> 515
<212> DNA
<213> Human

<400> 61
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cactttcttt gagaattcaa catattgcaa gttaaaattt tcatagacta cacaagaaag 120
aataatcagg caaatcctta agaataaggg caattaagga tgactagccc tacaagattt 180
taaaaaggat tcattagttt aaaaaatgtg atgtagatac atgaataaaa taaaatcttg 240
aagtagatcc aaatatacat ggtcagattg aatacaataa agatggcatc gtagcagtgg 300

SEQUEN~1.TXT

agaaaagaag aattatttca taaaccttgt tggaatggct aggcaatcat ctggaaaaaa	360
atgaagtga ataataaaaa tatattctac actagcacia attataaata aagcagtgat	420
ttaaatagaga aaaattaaat cataatgatt tcaaagataa cataggataa tttctttata	480
gtcttctaaa atatatgact ttatgaattc tgact	515

<210> 62
 <211> 611
 <212> DNA
 <213> Human

<400> 62 caagtacttt accaactaag ccaatcttgt cccagccag gcatttctat acaaagggcc	60
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aataatccac cagatacaag tttgcatcaa cttctgtgaa atattttttt tcctttttgt	180
tgggcatttt tatgggtctaa atatagaatg accaatgcct ctagaacaaa cttgacctgg	240
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tttgttaaaa ttgatataatt gatataataa acttcttttg ccagtgttg tggcacacgc	360
ctttaatccc agcacttagg aggcagaggc aggggtggatt tctgaatttg agggcaggct	420
agtctacaga gcaagttcca ggctagccaa ggctatatat agaaactctg gcatgaaaaa	480
ccaaccaaac caaaccaaac caaacagac cagaccagac cagaccagac caaaccaaac	540
caaacagac taaaccaaac caaacagac cagaccagac cagaccagac cagaccagac	600
cagaccaaac t	611

<210> 63
 <211> 291
 <212> DNA
 <213> Human

<400> 63 ccgagagatt ggccactgct taaactcatg cagctcctac tgttcttcaa ttaatgcctt	60
taatgcgaat atacttcctc ttctttttgc atggtcttgc ccagcctctg caatactgat	120
gaacacatgc tgaagatcat ctaactcaat atggcgcata tttctatgtc ttgctgcca	180
ggacatagga caacttcgtc gctcactagt tctaacatat taatgctggc gtaggtggag	240
aactactgca catatactct tactcggagg ctgaggcacg aggatcactt g	291

<210> 64
 <211> 309
 <212> DNA
 <213> Human

<400> 64 gccagatgcc gtgtttcctc gatgaactct ttacatcatt ggctattcag tggagtgttt	60
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SEQUEN~1.TXT

cattatcacc tctcactctc gcgtgttacc taactctccc tcgcagggga aatcactcca	120
tatatttcaa atgtcttgct aacagtgggt actttgctct atccttagct atacgtctcg	180
aggcacattg ttcctctatg ccccgctacg ctttgcccta gagctcggcg gtatctatat	240
cttaactgcc ctcttgatcc ttacgtgccg gagaagggtg aggcagaaat tttgtcaaat	300
ctgattaga	309

<210> 65
 <211> 278
 <212> DNA
 <213> Human

<400> 65	
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tggaataaag tggaatagac tcgaatggaa tggaatgcaa tggaatggac tcgaatggaa	120
agggatggaa tggactcgaa gggaatggaa tggaatggat tcgaatggaa aggaatggaa	180
tggactcaaa aggaatggaa tggaatggac tcaaatggaa tggactcgaa ttgaatgaaa	240
tgtaatggaa tagactcgaa tggaatggaa cgaaattt	278

<210> 66
 <211> 142
 <212> DNA
 <213> Human

<400> 66	
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tttttttaac tgtaggaggt ttataataat gctcatatgg aaaaataaaa catgtaaaaa	120
atagctagta aactccccct gt	142

<210> 67
 <211> 286
 <212> DNA
 <213> Human

<400> 67	
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aaagatgatc tcctcatgct tccatgcact gcgagtagaa gacatactga gcatagtgtg	120
attattttcc caacaaattg gcattcatag atagaataag ctgactaaga ctacttagcc	180
ccacattttt ttctacttgc tccaatagca ctaacaaata ggaagctctt gcttgctccc	240
caaagctcca tttccttgaa agcagaagtg taatattact tcttag	286

<210> 68
 <211> 179
 <212> DNA
 <213> Human

SEQUEN~1.TXT

<400> 68
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tagaagtcatt tatttttatta taaaacatgt ggattagata ttttcattta tgtgattaaa 120
ctttctaaac aaagattata tgaattatct taaagattta aaaagtaatt aagttaaatt 179

<210> 69
<211> 390
<212> DNA
<213> Human

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<223> n is a, c, g, or t

<400> 69
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cttcagtcta agaacgtaaa tccatggaag aattttaagc aggggtgtgc cttgaccaca 120
ttttgaattc taaactgtct ctgggtgggt gtgggtgccca ccaagagcat gtgttcattgt 180
aggagactg gttttttaca gttgtctatg agagagatga cagttgcctg gattatgggtg 240
gtgacattgg agataagcag gtagacagat tctcagtgtta ttaggagaga aaaatcaata 300
ggaaatttaa aataaataat taactgtggc cataggagga aggagtcttt gggttngggt 360
ctcaatttct gcatgagaaa aaagggtggac 390

<210> 70
<211> 481
<212> DNA
<213> Human

<220>
<221> misc_feature
<222> (26)..(26)
<223> n is a, c, g, or t

<400> 70
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gatgacataa aatgagatga aatgagatgt aatgatggaa tgagatgaga tgaaatgaga 120
tgaaatgata gatgagataa aatgatgata tgaaatgatg agatgaatga tgagatgatg 180
agatgaatga tgaaatgaaa tgatgagatg agatgatgaa atgaaatggt gagatgaaat 240
gatgagatga aatgaaatag tgaaatgaaa ttgaaataaa atcgaaatga gagatgaaat 300
gatgagatga tgaaattgat gaaatgatga gatgtgatga gatgaaatga tgagatgaga 360
tgagatgaca tgaaataatg aaatgaaatt gaaatgagat aagatacgag ctgagatgca 420
atgagatgaa atgatgagat gaaatgaaat agtgaaatga aattgaaata aaatcgaaat 480

<210> 71
<211> 125
<212> DNA
<213> Human

<220>
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<222> (5)..(5)
<223> n is a, c, g, or t

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<221> misc_feature
<222> (19)..(19)
<223> n is a, c, g, or t

<220>
<221> misc_feature
<222> (29)..(29)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (45)..(45)
<223> n is a, c, g, or t

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<222> (49)..(49)
<223> n is a, c, g, or t

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<222> (61)..(61)
<223> n is a, c, g, or t

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<222> (77)..(77)
<223> n is a, c, g, or t

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<222> (79)..(79)
<223> n is a, c, g, or t

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<223> n is a, c, g, or t

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<222> (90)..(90)

<223> n is a, c, g, or t

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<222> (100)..(100)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (110)..(110)

<223> n is a, c, g, or t

<400> 71

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ngacgcgccg tacaggntna attatggnan cttacatggn aaaggggcan ctcaatgtcc 120

cacag 125

<210> 72

<211> 473

<212> DNA

<213> Human

<220>

<221> misc_feature

<222> (151)..(151)

<223> n is a, c, g, or t

<400> 72

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atgagatgaa atgttgaaaa gaaaggagga aatgatgagg tgagatgaaa tgatgagatg 120

aaatgaatct gagatgaaat gagatgaaaa ntgatacgaa aaatgatata aaaaatatga 180

cctgagatga aatgagatga aaaatgatac gaaaaatgat ataaaaaata tgacatgaaa 240

tgaaatgaga tgatatgaaa tgacataatg aaatgatgaa ttgatgatat tgaaatgaaa 300

ttgaaagatg agatgaaatg atgagatgaa atgaaatgtt gaaatgatga agagatgtga 360

catgaaatga gctgaaatga gatgaaatga aatgagatta aatgatgaga tgaaaaatga 420

tgagatgaaa aatgagatga gatgatgaga tgagatgaga tgaattgaga tga 473

<210> 73

<211> 500

<212> DNA

<213> Human

<220>

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<222> (7)..(7)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (16)..(16)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (233)..(233)

<223> n is a, c, g, or t

<400> 73

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aaatgaaatt agatgaaatg taatgagatg aaatgaaatg acctaataa atgaaataat 120

gaaatgagat gaaataaaaat aatgaaatga tgaaataatg aaatgaaaat gagatggaaa 180

tgatgagatg agaagaaatg atgagatgaa atgatgaaat gatgagatga ganaaaatga 240

gatgaaatga tgagatgaga tgaaatatga tgagttgaaa tgacataatg aatgaaatga 300

tgaaatggaa taatgaaatg gaaatgatga gctgagatgc aatgagttga aatgagatga 360

aatgatgaaa tgatgagatg aaatgatgaa atgaaataat gaaatgagat gaaataaaaat 420

aatgaaatga tgaaataatg aaatgaaaat gaaatggaaa tgatgagatg agaagaaatg 480

atgagatgaa atgatgaaat 500

<210> 74

<211> 299

<212> DNA

<213> Human

<220>

<221> misc_feature

<222> (31)..(32)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (57)..(57)

<223> n is a, c, g, or t

<400> 74

ggaaatcctg aagtggaaat gatgagctga nntgcaatga gttgaaatga gatgaancga 60

tgaaatgatg agatgaaatg atgagatgag atgtgatgaa atgatgatat gaaatgatga 120

cataaaatga gatgaaatga gatgtaatga tggaatgaga tgagatgaaa tgagatgaaa 180

tgatagatga gataaaatga tgatatgaaa tgatgagatg aatgatgaga tgatgagatg 240

aatgatgaaa tgaaatgatg agatgagatg atgaaatgaa atggtgagat gaaatgatg 299

<210> 75

<211> 155

<212> DNA

SEQUEN~1.TXT

<213> Human

<400> 75

agtgaaatga aattgaaata aaatcgaaat gagatgagat gaaatgatga gatgatgaaa 60

taaaatgatg aaatgatgag gtgatgagat gaaatgatga gatgaaatga tgagatgaga 120

tgagatgaca tgaaataatg aaacgaaatt gaaat 155

<210> 76

<211> 367

<212> DNA

<213> Human

<220>

<221> misc_feature

<222> (11)..(11)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (35)..(35)

<223> n is a, c, g, or t

<220>

<221> misc_feature

<222> (37)..(38)

<223> n is a, c, g, or t

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<222> (43)..(43)

<223> n is a, c, g, or t

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<222> (56)..(56)

<223> n is a, c, g, or t

<220>

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<222> (67)..(67)

<223> n is a, c, g, or t

<220>

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<222> (71)..(71)

<223> n is a, c, g, or t

<220>

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<222> (75)..(75)

<223> n is a, c, g, or t

<400> 76

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ctacttnaga ngaantcctc gcaaaatcct tgaatcaccg cttcagtgca gtgatatcac 120

cgccatgaaa tttctgctcg attagcttac gttgtttgga tagaggccaa acaaggctgt 180

SEQUEN~1.TXT

tatcgggtacg aggaatggat gttcgaatttc gtagaatacgc cctgagagac ggcgaatact	240
ctcacgagag gcagcaggcg cgtaaattac ccaattacaa caagtagagg tagcgaagga	300
aaatatgagg ggtggcaagg ttttgcctgt tacattctca aatggaagca aattagatat	360
gtcattg	367

<210> 77
 <211> 257
 <212> DNA
 <213> Human

<220>
 <221> misc_feature
 <222> (6)..(6)
 <223> n is a, c, g, or t

<220>
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 <222> (11)..(11)
 <223> n is a, c, g, or t

<400> 77	
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atagaaatca ttattttctgt gggatggata attgggccaa attgtaaaat attttaacta	120
tcagtgtttg gggtttattt taaaagaat aggggtgccac cagatgttct ttagtggagg	180
agaaatgagg ccagagtgcac tgcctagaaa attaagttgg taaattaatc acttttttct	240
aggtcctttc ttagtct	257

<210> 78
 <211> 373
 <212> DNA
 <213> Human

<220>
 <221> misc_feature
 <222> (11)..(11)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (20)..(20)
 <223> n is a, c, g, or t

<220>
 <221> misc_feature
 <222> (24)..(24)
 <223> n is a, c, g, or t

<220>
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 nntaantaaa aagggtgaag aannttactt cncttggtcc taaaaaacnt tttcntcagt 120
 tattaccaa atatttgac cattantaaa gantagggcc aaccnaatt tttcttgaaa 180
 tttccgttaa atagccgtta aatgttttta cccatttcat attggatacc tttaaattata 240

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ataatggatt ttattgttaa attgtgtgtg tgtgggtgtg atgccctgtc tttctcctc	300
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gcccgggggtt ttt	373

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tgtttggt	128

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ggaaaanaaa tcctttttta anggaantcc aagggaagga ncctgnncaa nacttccccc	180
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tgatgaaatg agatgagatg agaagaaatg acttgatgag atgagataaa atgatgaaat	120
gaaatgaagt gaaatgaaat tgaaatgaga tgagatgaaa tgagataaaa tgatgagatg	180
aaatgagaag aaatgagatg aaatgatgaa atgatgagat gagatgaaaa atgatgggat	240
gagaaatgag atgaaatgat gggatgaaat gaaatgaaat aatgaaataa tgaaatgaaa	300
tgaattgata atattgaagt gaaattgaaa gatgagattg gatgaaatga tgagatgaaa	360
tgaaatgttg aaatgaaatg aagagatgta acatgaaatg agctgaaatg atgagatgaa	420
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ntagggacct gctctataag cccatcataa ttattatga agttataaca agtaaaacag 180
taaggtatatt ggcatggaat agagaaccga gaaacagacc caatgcatgg gtacaggata 240
taacacaggg aaatgagggg caatatatgg ttctgggata attatttata tggggaaaat 300
aaagaaattg gatccctacc tcacacatac aaaaaaaatc ataattgaat taaaaacttg 360
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aacttcctca gaaggacaag agacaaagaa gtggggggagg ccctcctatc catagctgag 180
agggtttatt ctttgtggtt ctgctgtcag agcctttgga tgtctgatct gagatggagc 240
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taaaactttc tttgaacccc ctggcatagg ctcagtttcc ctgact 346

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<400> 85
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gaaaagaaaa tgggtttttt tgccgaaatc aaccgggtaa 100

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tcttttacct cggcactcgg gtccaccctc gcggcaccag aggtattctc cggcgagtcg      180
ttaaccatcg caatcgccga ccgagtttaa ggaccactcc ccacctttct cattagttaa      240
ggagaacgct actttacccc atagacggag aaatcgctac tcaactacca ggcgcgcgcc      300
gtcgagtcct tcttcctctc tttatgcatt tagagcgctt tcgtaagagt tttccctaga      360
ttcttctaag cgtagcgcgt ctactccaat gttttcgta atccagcccg aactaacgcc      420
gcggaggagt cgatccgtct actcctatcc cgtcggctcg gatttactac aggagctaag      480
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acagccaaac cgggtccgccc aaggcctccg tcgttttata atatattccg tttacgtata      180
aggaacgaac ccccttcat taccacggtc ccgcgtccgc ctcttctcc attcgcaaca      240
gttctattcc tttcagctc ccgtacctgc ttccagaaca tcgcaccgcc atagtcgaaa      300
gatagcaaag attaccagc ttctattcct cgccccagag ccgagtaaatt cgaagtttat      360
agaggcgga tccaaccatt caagagttat aacaagttat cggcactcgg gggatcagaa      420
tataaactta atgtcccctt tattctcccg gacgcccctt ttaaccactt cttcctatct      480
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aattaaggna aggnnttaaaa aatttaacca angggggggtt taaagggnntt ttttttttta 180
aaaaaaaagg ttaaancccc cccttttttt ttggggttggg gtgggaaaat tttgggaanc 240
cttaaccccc ggggttttgg gtttttttgg ccaaaccccc ccggaaaaaa attaaaaaaa 300
ggaccggttt ccattttaat gggatttggg aa 332

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cggtggtaac tattaaaaca taagttaaat cggtatttaa aattttaaaa tcaaaaaaaaa 120

SEQUEN~1.TXT

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atgggnaant ttnnnngggg ggggggaaaa ancccnnggg tnannggggg cccngggntt 180
naaannggn nctngggggg ggaaantttt ggcccccccc cgggggnttt ncctnaaaaa 240
aaanccnttt naaanacn gn nanaattttn ccnnnncggg gaggnngnga nntttttttt 300
tnaannagcc ntttttgna naaaaaannt ggnccccccc ctattccnng gnttttngga 360
ccnttnnanc ntgggnnttt ttagnccttn aaaaaaangc naatnttaag gtaaaaattn 420
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ntnnanctnc ngntnaacat cacagctnct ccnagcatca ccctgctagn tancngnggg	180
ttttctctta tntgnngncn naacatctgc nngctctgnt annaanaatt ncataccgcn	240
canngtctnt gacgntgtga tgcatacgn tgggcagagn gancaatang tgngcatatg	300
cgtgccttac ncaaggatac ggangngctt gaaattgatg ngaccaanan tttnggtacg	360
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 atgagatgat gaaataaaat gatgaaatga gatgtgatga gatgaaatga ngagatgaaa 180
 tgatgagatg agatgacatg aaataaatga aataatgaaa tcgaaatgag atgagaagat 240
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 atgaaatgag gtgaaatgaa attagatgaa acgtaatgag atgaaatgac ataatgaaat 420
 gaaaaaatga aatgaaataa tgaaatgagg tgaaattaaa tgagatgatg aaattaaatg 480
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 gaaatgaaat gatgaaatga atagatgtga catgaaatga gctgaaatga tgagatcaaa 180
 tgaaatgaaa tgagattaaa tgatgagatg aaaactgatg aaaacttaaa tgatgaaata 240
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gaaatgaaat gatgagatga aatgagggtga aatgaaatta gatgaaacgt aatgagatga 180

aatgacctaa tgaaatgaaa aaatgaaatg aaataatgaa atgagggtgaa attaaatgag 240

atgatgaaat taaatgatga aatgaaataa tgaaatggaa atgaaatgga aatgatgaga 300

tgaatgatga gatgaaatga tgagatgaga tctaataatg agaggagatg atgagatgaa 360

ntgagatgaa aagagatgaa atgagatgaa accgaaatga tgagatgaaa tgagggtgaaa 420

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cctctctgta gaaattgacc tggccatggc tcctgtgaat gatacggttg ctattatccc 240
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aaaaatagat aatggtaatc caagcacgat ggtagccatc actctaattg ctttggggtt 180
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